NITE-TIMES NEWS

CHICAGO AREA TIMEX USERS GROUP

NITE-TIMES INFO

The Nite-Times News is the newsletter of the Chicago Area Timex Users Group. It is available as a Public Domain feature of the Sinclair Survivalist BBS (312)473-9415. If you are not a CATUG member and desire to have a hard-copy mailed to your home, please provide $6.00 per year to cover the cost of postage. For an annual fee of $10.00 you can become a CATUG member with full ership privledges. The Chicago Area Timex Users Group is pleased to exchange newsletters with other Timex and Sinclair supporting users groups. If you desire to reprint any articles that appear here, please provide credit to the author and this newsletter. If you have any suggestions or would like to submit an article, you may upload it onto the Sinclair Survivalist BBS and leave a message about it with Sysop Gary or write to:

        The Chicago Area Timex Users Group
        Nite-Times News Editor
        1885A Yorktown Avenue
        Great Lakes, Illinois 60088.

ARTICLES IN THIS ISSUE

OCTOBER AND NOVEMBER C.A.T.U.G. MEETINGS

The Chicago Area Timex Users Group meets on the third saturday of each month in the Downers Grove Public Library's Conference Room, from 12:00 to 5:00. The next two meetings will be on the 15th of October and the 19th of November. The library is located at 1050 Curtiss Street in Downers Grove. The CATUG representative for this meeting is Steve Cooper and he can be contacted evenings at (312) 968-3553.

DIRECTIONS FROM THE NORTH: Take I-294 (Tri-State Tollway) south to I-88 (East West Tollway). Drive west on I-88 and exit at Highland Avenue. Take Highland south about three miles, during which it's name will change to Main Street. You will cross the Burlington-Northern tracks in downtown Downers Grove and turn right (west) at the next street (Burlington). Proceed one block to Forest Ave. At the intersection of Forest and Burlington is a public parking lot. The Library is located one block south of Burlington at the intersection of Curtiss and Forest. Please note that Burlington is a one-way street (westbound) and Curtiss is a one-way street (eastbound).

DIRECTIONS FROM THE SOUTH: Take I-55 (Stevenson Expway) to the Lemont Rd North exit. Take Lemont Road north about four miles during which it will merge into Main Street. As you go into downtown Downers Grove, you will pass Curtiss Street, and turn left at the next intersection (Burlington), which is the last street before you cross the railroad tracks. Proceed one block west to Forest Ave. At the intersection of Forest and Burlington is a public parking lot. The Library is located one block south of Burlington at the intersection of Curtiss and Forest. Please note that Burlington is a one-way street (westbound) and Curtiss is a one-way street (eastbound).

NITE-TIMES CLASSIFIEDS

The Nite-Times Classified Ads are a service provided to all of our readers. Please submit your ads prior to the 15th of each month. They may be mailed to the Nite-Times News or sent to Sysop Gary via the Feedback Message Base on the Sinclair Survivalist BBS (312) 473-9415

‡ ‡ ‡ ‡ ‡
FOR SALE

AFFORDABLE HI-RES PLOTTING for the TS-2068 and Commodore 1520 four-color printer/plotter! The plotter can be found at Toys-R-Us stores for $29.95. Iterface hardware (from bareboard to assembled & tested) as well as utility software for screen to plotter praphic transfer, banner making, and word processing are available from:

    John McMichael
    1710 Palmer Drive
    Laramie, WY 82070
A large SASE gets you more info and a sample plot.

‡ ‡ ‡ ‡ ‡
FOR SALE

$ 40.00 Tube Tester, Heath W/roll chart
$125.00 CRT Rejuvinator, Color & B/W
$ 85.00 Heath 2 meter Linear 40 watt
$150.00 New 10 Mhz Heath Dual Trace Scope, needs some work
$100.00 Dual A&J Microdrives with IF and 24 to 30 Wafers
$150.00 Heath Auto Ignition Scope with 12V Inverter
$ 75.00 Flyback Tester with HV Probe
$ 50.00 IBM Serial Thermal Printer
$ 65.00 Color Bar Generator, new & needs work
$ 85.00 Electronic Switch, dual trace fron single trace scope
$ 75.00 HM2141 POW/SWR Meter
$150.00 HW-8 QRP Transceiver
$ 60.00 Phonemate Answering Machine
$100.00 One Lot two way radio
$225.00 HW6502 2 meter hand held with speaker nike and 25 watt
        mobile mount.
$????? Best offer for a Motorola TA104 FM Low band (39.5) Mhz.
        Mobile Two-way Radio with remote control.
All of the above equipment is for sale or trade. I am looking for a disk disk drive system for my TS-2068, preferably a LArken with.25" drives.
and trades are final. All prices include shipping to any reasonable location. For more info contact:
Bill's Electronics
R.R. 1, Box 364, Bridgeport, IL 62417
Tel: (618) 945-7314

REPORTS AND COMMENTS FROM THE FIRST SNUG CONFERENCE

FROM: Pete Fischer

If anyone is curious about the SNUG Conference on Compuserve on Aug 17th, I have a brief report. We had as many as 13-14 in attendence from all across the country. It was generally successful, although some time was lost due to some users being unfamiliar with the system (Compuserve Chat) and also due to a lack of concrete agenda and format. Nonetheless, even with these limitations, a large number of ideas were discussed. In particular, a newsletter and a Public Domain Software Library. In the discussion of the newsletter, many presented variations on the idea of making SNUG revolve around a BBS, and dissemination the newsletter and software from there. But, even among us "heavey modem users", it was acknowledged that not all users share our enthusiasm for telecommunications. So it was more or less decided that any newsletter MUST take the form of Hardcopy.

The second main issue discussed was the Public Domain Library. In early descriptions of SNUG, it was suggested that the way around the "everybody's-got-a-different-storage-device" problem was to disseminate the PD software from a BBS. But largely for the same reasons as the newsletter (i.e. it would leave too many people out), we canned that idea. Next, a solely tape-based distribution was proposed. But tape reproduction i. very labor-intensive, and disk is so much more efficient. So the last concensus was that all the disk formats AND tape should be supported. Some time was spent hashing out the mechanics of this, but no decisions reached.

Finally, we all agreed to meet again in two weeks, on Aug 31. I hope to upload a more detailed desription of what transpired and proposed agenda for the next discussion onto The Astral Plane in the near future. Thanks for helping SNUG grow...Pete

FROM: Jim Rodlin

Hello all, it was good to see that the SNUG conference went well, with good attendance (I counted 15 people, assuming I didn't miss anyone)... Hopefully the meeting on the 31st will be equally as successful. One question though: We are all participating in this, and offering our support, but who is actually going to RUN the setup? Mel? And what will SNUG actually DO? Who's going to publish the newsletter, and who will tackle the formidable task of compiling a national PD software library? And who is going to make these decisions? A few members of our BCS group voiced concern that SNUG might overshadow the local groups. What can SNUG do that the local groups aren't already doing? The BCS S/T group is also in a peculiar position because, although we are centered in Boston, the BCS is : national organization and our aims are almost exactly the same as SNUG's are. So how does this affect things?

TIMEX TIDBITS

Keith Sheehan is trying to get a Sinclair SIG going on the Cyclops BBS. All the SYSOP needs is 5 Sinclair enthusiasts in order to get one going. If you are interested, leave the SYSOP EMAIL on the Cyclops BBS telling him that you would like to have a Timex/Sinclair SIG. The Number for the Cyclops BBS is 839-5002.

The CATS Newsletter reports that a Timex Fest is being planned for May 6th and 7th of 1989 in New Carrollton, Maryland. The event will be hosted by the Capital Area Timex Sinclair Users Group. For more information write: CATS, P.O.Box 467, Fairfax Station, VA 22039.

Vernon Smith reports that the v1.2 Keyboard chips (advertised in QL World) that are a replacement for the 8049 chip, work perfectly. These new chips prevent the "rollover effect", double letters that occur when you accidently touch an adjacent key.

The ISTUG newsletter reports that the Pixel Print icons can be used with the Zebra Systems Greating Card Designer program. All you need to do is resave each of your Pixel Print icons with ".6" as an extension.

Butch Weinberg has reported that the Great Northwest Computerfest was a great show. Although poorly attended, there were plenty of interesting seminars and products. Butch has also indicated that he is planning on purchasing video tape on the seminars which we may use at a few of the upcoming CATUG :ings.

The HATS Newsletter reports that on page 103 of the September issue of Popular Science, there is an ad for a Sinclair MSDOS machine. The picture looks very much like an Amstrad 1512. As most Timexers know, Amstrad owns the rights to the Sinclair name. The company selling these machines is Electronic Express and their phone number is (214) 247-4908.

Andy Hadesky (Editor of Timelinez) has sent the CATUG a sample of how their latest newsletter was supposed to have been published. There was concern because the issues that were received by several of our members were unreadable. Andy's sorry for the mishap and he has assured me that he will do everything in his power to ensure that this doesn't happen again.

TAPE UNLOCKER (TS1000 PROGRAM)
By Tim L. Ward
Reprinted from KATS Komputer Knews

First of all, type-in this very short POKE routine.

```
10 REM 012345678
20 FOR X=16514 TO 16522
30 INPUT A
40 POKE X,A
50 NEXT X
<<RUN AND ENTER>>
```

Now, enter the following data using the POKE routine: 62,0,50,0,64,1,55,0,201. Now line 10 should look as shown below:

```
10 REM Y M RND  R TAN
```

Now add the remained of the program listed.

```
20 REM TAPE LOCKER
        PUBLIC DOMAIN LIBRARY OF TIM L. WARD
30 SCROLL
40 PRINT "INPUT PROGRAM NAME"
50 INPUT N$
60 POKE 16520, CODE N$(LEN N$)
70 LOAD N$( TO LEN N$-1)+CHR$ USR 16514
80 REM
    NO MORE WORRY ABOUT TAPES THAT WON'T LET YOU MAKE COPIES
    OR LISTINGS
90 STOP
100 SAVE "UNLOCK"
110 LIST
```

INTERFACE A JOYSTICK TO YOUR TS-1000 OR ZX81
By Gary Lessenberry

One of my great passions with my ZX81 and TS-1000 computers has been the many hardware projects that can be easily and inexpensively built for them. The following project was inspired by an article from the July edition of Sync magazine.

Many of the ZX programs use the unsifted arrow keys to direct curor movements. This project will actually connect a joystick to the arrow keys (5,6,7,8 & 0). There are two parts to this project, the first part will install the joystick port. The second part will modify the the joystick.

The following parts are required for this project:

1. One DB-9 connector
2. One Joystick (Radio Shack Part No. 270-1711)
3. Approx three feet of stranded wire
4. Solering iron and solder
5. One exacto knife

The easiest part of this project is actually installing the joystick port. If you have moved your TS-1000 motherboard into another case (as I have), finding a place to mount the joystick port should pose no problem. Select you location and draw a rough outline of the port there. Cut out the outline and mount the DB-9 connector there. Using figures 1 & 2 as guides, solder six wires from the DB-9 connector to the TS-1000's keyboard connectors on the underside (non-component) of the TS-1000 motherboard. If you still have a virgin TS-1000, there isn't muct room, so you may choose to have the wires for the port exit through a hole drilled in the side of the computer where the joystick port will stand alone without being mounted.

For the joystick I used a Coleco joystick which I bought for $2.95 at Radio Shack. Other joysticks can be used. I just like

INTERFACE A JOYSTICK TO YOUR TS-1000 OR ZX81

this one because it's cheap. First, open up the joystick case by removing the five screws on the underside of the joystick. Actually, four of the screws hold the case together abd the fifth on holds the printed circuit board to the bottom of the case. Remove the printed circuit board and turn it over so that the underside (non component side) is visable. Using an exacto knife, cut the D4 run as shown in figure 3. Using the stranded wire, make three wire jumpers and solder them to the printed circuit board in the locations illustrated in figure 3. Reassemble the joystick.

To test your joystick, plug it into your TS-1000 joystick port and apply power to your system. By moving the joystick around and pressing the FIRE button, you should get the indications listed in the table below.

```
LEFT  - 5
RIGHT - 8
UP    - 7
DOWN  - 6
FIRE  - 0
```

CLEVELAND T/S COMPUTER FEST
Downloaded From The The Timelines BBS

The Midwest T/S Computer Conference is a big success! We are going to break even on the expenses. We had 25 pre-paids and about 75+ at the door. Some had their wifes and kids with them. Everyone was buying and selling. It was not swamped, but the vendors and our club were not staring across the aisles at each other either. What made my day was that I bought a Sinclair Flat Screen TV that sold as broke for £5.00 and it works! A+ had a whole lot of them plus they had extra Micro Drive Units for the QL for $2.00 each. A+ had used working QL's for $45.00 each. Other vendors had equally good deals. The details of the vendors great deals where too numberous for me to report it all! Sharps had the Midi Interface and software for the QL at $139.00! In all this was the first time that I got see and touch most of the QL stuff like the keyboard for QL up-grades and QL expandsion boxes that I have only been able to readbout! I have only listed here the items that took my interest and I can not do justice to all vendors and flee market dealers in this limited space. In all it was fantastic to see that many Timex/Sinclair users and vendors all at one time!
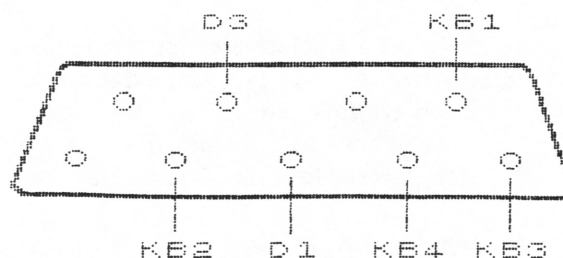
Sysop Robert Parish

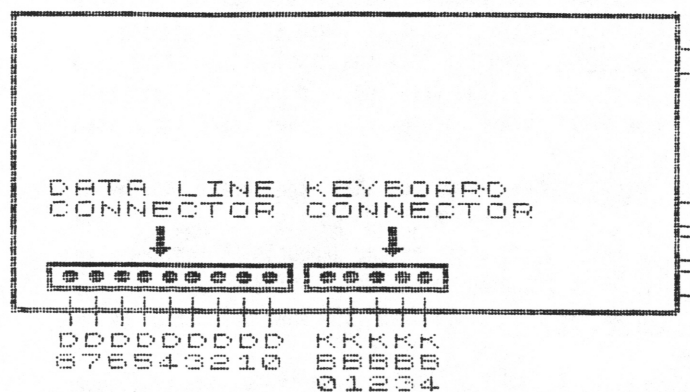

Fig-1
END VIEW OF JOYSTICK PORT

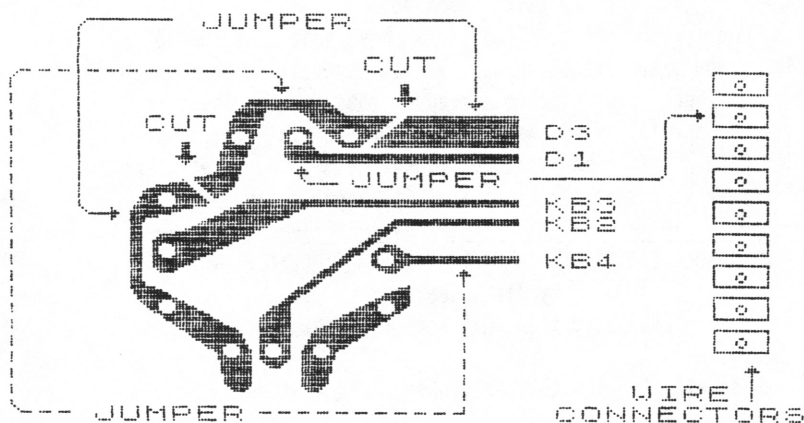## Fig-2 TS-1000 KEYBOARD CONNECTOR PIN-OUTS

Fig-3 JOYSTICK MODIFICATION

THIRD ANNUAL GREAT NORTHWEST TIMEX/SINCLAIR MINI FAIR REPORT
(Reprinted From the VISTA Newsletter)

What I am refering to as "The Fair" took place August 6th & 7th at the Cosmopolitan Hotel in Portland, Oregon. The fair's advertised hours were 9-6, but for most everyone, it was two solid days of "Sinclair Heaven". Attendance was estimated at 150+, quite a bit fewer tan the organizers (Time Designs Magazine and CCAT/S User Group) were expecting, but those in attendance were treated to the best our hobby had to offer. Seen at the fair were Sharp's, with a table full of QL goods, the new Z88 and Psion Organizer; SEATUG Group of Seattle, displaying hardware demos, educational software and a Radio Shack Armatron robot controlled by a TS-1000; VSUG of Vancouver, Canada with a doorprize drawing and a computer display; Jack Dohany with his extensive line of "Fairware", hardware for sale, demonstrations of 2068 disc systems and LOTS of free advice; 2068 UPDATE, the magazine for 2068 disc systems had free issues on the table; a handout from the John Oliger Co., maker of T/S related hardware; a large double table presided over by Tim and Stephanie Woods of "Time Designs", featuring all of their back isssues, their newest books, 2068 tech manuals, T/S T-Shirts, and an expanse of T/S hardware, Foote Print printer I/Fs, and even an original Spectrum Plus!; A+ Computer featured the new Z88, with the Psion Organizer "pocket file cabinet" also in evidence; and a swap .e, which tended to be empty mainly because things lasted about five minutes before deals were struck and new homes found. VISTA member Tim Ward had great success here, selling both his 3" disc drive and surplus 2050 modem. Ed Grey Enterprises was represented by Ed and son Damali, who dispensed copies of Loader V and Specterm-64, 2050 modem boards, Z-SIO interfaces and Sams ComputerFacts with plenty of advise, conversation and good humor to go around. Free newsletters and back issues were distributed by CATS of Fairfax Station, VA; Triangle Sinclair Users Group of Carrboro, NC; The Hacker from Las Vegas, NV; the hosts, CCAT/S of Clackanas County, OR; and VISTA of Vashon Island, WA.

Two vendors put together outstanding dispalys of T/S merchandise --- RMG Enterprises of Oregon City, OR and Zebra Systems of Woodhaven, NY. RMG literally brought a ton of stuff -- hardware such as disc drives, printers, TS-2068s and a number or new TS-1500s, modems, PC-8300s, power supplies and cases, their line of Larken Disc interfaces, and surplus T/S ware, including power supplies, 2068 keyboards and bare T/S-1000 motherboards as spare parts for $4. I plugged mine in and it worked perfectly! The bounty didn't stop there either, as RMG offered a number of British Sinclair magazines at $2.75 each, cases of T/S books, lots of software, discs, disc banks and Fair Buttons. Needless to say, theirs was a busy booth. Zebra Systems also earned praise (and customers) for their large line of software for Sinclair computers of all kinds.

They offered Spectrum games and Timex 2068 software at $5 each, TS-1000 tapes at 5/$10, Zebra's line of graphics software for the TS-2068, the last dozen Zebra Graphics Tablets at $45, Memotech 64K and 32K RAMS at the lowest prices I've seen, original ZX-81 kits and non-working ZX-81s as parts, and much more. At the end of the Fair, Zebra had a "fire sale", with TS-1000 software at $1 each, and Timex 2068 software at $2. Not to be outdone, Ed Grey began a round of price cutting, and he was heard saying "I done want to haul any of this back to L.A.!". "Hectic" best describes the ensuing activity. At the VISTA booth, the public domain software tapes went quickly - librarian Tim Ward brought five sets of five tapes and was taking orders by the end of the Fair. The VISTA newsletter special edition was a popular "freebie" and the demonstration graphics disc ran on my TS-1500 both days with no hang-ups. Also stopping by the VISTA booth were members Don Walterman (Sterling Heights, MI), Joan Kealy (El Paso, TX), and Clarence Hamilton (Vernon, BC). It is really a pleasure to finally meet the people you spend time writing letters to. The final "THANK YOU" goes to the CCAT/S User Group, hosts for the event. They were extremely well represented with a number of QLs and 2068s set up, demonstrating computer control of machines, graphic likenesses of each group member, a BetaBasic (2068 extended language) display program -- a little of everything. Another of their special touches was the club banner, four by six feet and very nicely done; adding to the "no nonsense" look of their area, it said "Here's a club that gets things done". That they did, and a great debt of thanks is owed to CCAT/S, hosts; Time Designs" and RMG Enterprises, sponsors; and Rod Gowen, producer, who really mobilized his forces and knocked himself out to give us, the T/S community, one of the best events ever. Door prizes and deals were in abundance, and to sum it all up in the words of Ed Grey, "Where were you?".

A ZX-TERM*80 QUIRK
By Fred Nachbaur
Downloaded From Nicholson Nitetime Network

ZX-TERM*80 sends a DEL (Delete = ASCII 7Fh = 127d) when you press DELETE. Unfortunately, the MichTron BBS program used by the NNN does not recognize this to "delete last character sent." Instead, it uses BS (Backspace = ASCII 08h). The same very probably holds true for some other BBS's. There are two ways to get around this: an easy way, and a better way.

The easy way (requires no program modifications) is to send a CONTROL H (shift 3 then H). Each CTRL H will delete back one space. This is a workable method if you're a reasonably good typist, and catch your error shortly after making it.
The "better" way is to modify ZX-TERM*80's lookup tables to send a BS when pressing DELETE. Do this as follows:

1. LOAD ZX-TERM*80 (either the original or your reconfigured version). Press BREAK when loaded.

A ZX-TERM*80 QUIRK
continued from page 5

2. Enter the following commands:
   LET A$(9)=CHR$ 87
   LET A$(344)=CHR$ 8

3. Save the modified program for future use.

Delete (Shift 0) now sends a BS, but continues to print a left-pointing arrow. If you need to send a DEL for some reason, you can still do so using SYMBOL SHIFT B (also shows as left-arrow).

CATUG LIBRARY NOTES
By Gary Lessenberry

The Chicago Area Timex Users Group Library has received the following listed articles from other user groups via our newsletter exchange. The newsletters with these articles will be available for check out at the monthly CATUG meetings.

1. CATS Newsletter (Aug 1988)
   QL On The QT
   Using Eyes And Fingers (TS-2068 Prog)
   Hardware Savvy
2. SLUG Newsletter (July 1988)
3. SLUG Newsletter (Aug 1988)
4. I.S.T.U.G. Newsletter (July 1988)
5. HATS Newsletter (Aug 1988)
   Editing With Toolkit II
6. HATS Newsletter (Sep 1988)
   A 2068 Music Program
7. The Hacker (Aug 1988)
8. PACC Talk (Aug 1988)
9. The RAMTOP (May/June/July 1988)
   Caps Lock Indicator (QL Prog)
   Mike_Term (QL Porg)
10. Sinc-Link (July-Aug 1988)
    Disk Management Utilities
    Game Hacks
    PC8300 ROM Upgrade
    Larkin RAMdisk For The TS-2068
11. KATS Komputer Knews (Aug 1988)
    Tapper Program Review
12. The Sinc Times (May/June/July 1988)
    A Tour Of The Bus Depot
    QL Printer Codes (QL Prog)
    Light Bar Menus On The ZX81/TS1000
    Engineering Applications (TS-2068 Prog)
13. SMUG Bytes (Aug 1988)
    Rudy's "SQ" Notes
    Bill On Mscript

14. Pixel Print Press (Summer 1988)
15. The Data Expansion (May 1988)
    AERCO V.9 RP/M System
    CP/M Utility - DBL4.COM
    Drop-Down Menus-Listing (TS-2068 Prog)
16. The Data Expansion (June 1988)
    What Might Have Been
    MBASIC Blues
17. The Data Expansion (July 1988)
    Aerco Still There
    Practical Bank-Switching For The 2068
    A Change In The FWKUG MBBS
18. The Data Expansion (Aug 1988)
    A Change In The FWKUG MBBS
    New Gear For The System
    Some Problems Develope With The Modem
    More CPM And DOS Tips
    The Mysterious K
19. VISTA Newsletter (Vol. 2, No. 4)
    The Stopper (TS1000 Prog)
20. VISTA Newsletter (Vol. 2, No. 5)
    Larken DDI Report/ Living With A Larken
    Third Annual Great NW T/S Mini Fair Report
    Install A Reset Switch

CHICAGO AREA TIMEX USERS GROUP
(September 1988)

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GLORIA GEDONIUS:
459 W. MELROSE, APT 1 E, CHICAGO, IL 60657   (312) 871-6579
JIM HENDERSON:
5710 N. MERRIMAC, PEORIA, IL 61614   (309) 691-3332

UPDATE!

ComputerSystems

Take it to the limit

A Quarterly Magazine for the users

Dear Timex - Sinclair User,

TS-2068   -   Sinclair QL   -   Sinclair Z88

UPDATE Magazine is expanding. The October 1988 issue will begin coverage of the Sinclair QL, the Z88, and the TS-2068. UPDATE Magazine does not seek to draw away subscribers from other publicatins but rather to support the users with a new and unique group of services. UPDATE highly recommends that all users subscribe to Time Designs, Syncware News, and Quantum Levels magazines (As well as UPDATE). This way the users will get 85% of ALL information published about the user's computer system. The other 15% comes in User Group Newsletters.

UPDATE has a year of publishing under the belt and has a pretty good idea about what the users want. UPDATE is not "casual reading", but is "Programming Intensive". Programming is covered from Beginner to Advanced level. Other features of the magazine are Reviews, Telecomputing, Disk drive systems, Hardware projects, and Peripheral devices.

UPDATE is a "participating" magazine. Most of the articles and utilities presented in each issue are by Guest Writers. These writers are the experts amongst us who freely give their programming expertise out of their desire to help others. Why a Quarterly magazine? Well, it takes three months to put together an issue of UPDATE. All of the programs and utilities are NEW, and need to be tested. Complete instructions are given in the UPDATE pages. Then there is the "Issue Disk" to assemble.

The Key-in projects vary from "one liners" to extensive softwares. These programs and utilities of each issue are offered in "Issue Disks" at a very low price for those who want ready to use programs. UPDATE shares the proceeds from Issue Disk sales with the contributing authors. This is just a token to show appreciation for their efforts and to pay for their expense. The Issue Disk is supplied in all disk formats, and for the TS-2068 Oliger DOS, Larken DOS, and Aerco FD-68 DOS.

A primary goal of UPDATE is to sponsor the development of DISK BASED software and utilities for the three computer systems. Already, this goal is being realized for the TS-2068.   In the case of the QL, UPDATE will offer Disk Software and utilities, plus a dubbing service for those who use MDV only. North American software sources will be developed. There is a critical shortage of useful QL utilities because of the low profit potential for such programs. QL utilities will be of continuing emphasis.

You are cordially invited to SUBSCRIBE TO UPDATE MAGAZINE. Subscription is $15.00 per year of issues. Four back issues are available for $15.00. These back issues cover the TS-2068 only. Inclusive QL coverage begins with the OCTOBER 1988 issue. Please fill in the data base questions on the back side which will be kept by UPDATE for your support. - Bill Jones, Publisher.

UPDATE Subscription Order form, and User Data Base.

1. Please enclose $15.00 for one year subscription to UPDATE to begin with the OCTOBER 1988 issue.

2. Mail to: UPDATE Magazine, 1317 Stratford Ave., Panama City, FL 32404 (tel 904 871 4513)

3. Your Computer: ____QL ____TS-2068 ____Z88

4. If TS-2068, what DOS? ____Oliger ____Larken ____Aerco ____Other please specify

5. All systems: Please check type of drives used: ____40 track ____80 track: ____5 1/4 inch ____other

6. QL: Please check if applicable: ____Trump Card ____Sandy Board

7. Please list your main ADD ON Peripheals in use:

QL   TS-2068   Z88

_____   _____   _____
_____   _____   _____
_____   _____   _____
_____   _____   _____
_____   _____   _____

8. The July UPDATE carried an article about correcting problems with the QL. Please check if you would like to receive a free copy of this article without having to buy the issue. ____yes.

9. Please list "in priority" about five subject areas that you would like most for UPDATE to cover in detail.

_____
_____
_____
_____
_____

10. Brand and Model Printer_____

11. Tel Nbr. (optional)_____

12. Please print your Name and mailing address:

_____
_____
_____
_____
_____

4ICAGO AREA TIMEX USERS GROUP
continued from page 6

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NAZIR PASHTOON:
940 BEAU DRIVE #204, DES PLAINES, IL 60016 (312) 439-1679
LAWRENCE P. SAUTER:
7747 W. BRYN MAWR, CHICAGO, IL 60631   (312) 763-5383
EDWIN SCHOEN:
P.O.BOX 9076, DOWNERS GROVE, IL 60515   (312) 852-9372
AL SHERMAN:
9216 MARIE, SCHILLER PARK, IL 60176   (312) 671-2720
LEE THORESEN:
  HICKORY LANE, CRETE, IL 60417   (312) 672-9066
JOHN ULREICH:
203 NAUVOO, PARK FORREST, IL 60466   (312) 748-6004
BUTCH WEINBERG:
5028 1/2 S. ELLIS, CHICAGO, IL 60615   UNLISTED

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 * * *  Out Of Town CATUG Members  * * *
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RICK CONNERS:
2-29-3 NISHI OGI MINAMI, SUGINAMI-KU, TOKYO 167 JAPAN
ROBERT CURNUTT:
10400 TRUXTON RD., ADELPHI, MD 20783
PETE FISCHER:
P.O.BOX , TEMPE, AZ 85281
RUTH FEGLEY:
Apt E-1, 6000 IVYDENE TERRACE, BALTIMORE, MD 21209
JOAN KEALY:
3334 ZION, B-11, EL PASO, TX 79904
JOHN McMICHAEL:
1710 PALMER DRIVE, LARAMIE, WYOMING 82070
GLEN MORLAND:
522 DUNHAM ST., BURLINGTON, IA 52601
WILLIAM POWDEN:
R.R. 1, BOX 364, BRIDGEPORT IL 62417
JOHN J. SHEPARD
   BOX 408D, COLDWATER, MS 38618
  S. SIEGLE:
1616 55TH STREET, BASEMENT APT, BROOKLYN, NY 11204-1823

TIMEX/SINCLAIR BBS DIRECTORY
(September 1988)

BULLETIN BOARD	NUMBER	NOTES	RATES
PASSAIC BBS	(201) 471-6391	8 L D @ S	15/14
WYSIWYG BBS	(201) 956-7703	8 L D @ S	15/14
TIME<X>CHANGE BBS	(213) 329-3922	8 M D @ S	17/15
GREY MATTER BBS	(213) 971-6260	8 M D @ S	17/15
STARTEXT	(214) 877-1041	8 M $ S	16/15
RON'S ROS	(817) 540-4183	8 D @ S	16/15
TIMELINES BBS	(216) 671-6922	8 H D % S	15/14
CLEVELAND FREE-NET BBS	(216) 368-3888	7 L @ S	15/14
KINGS MARKET BBS	(303) 665-6091	8 M D @ S	16/15
ASTRAL PLANE BBS	(312) 476-7785	8 L D @ S	-----
PEOPLE-LINK	(800) 826-8855	8 L D $	-----
COMPUSERVE	(312) 443-1250	7 H D $ S	-----
SERIAL PORT BBS	(313) 286-0145	8 H D S	15/13
ACCESS*LINE*BBS	(317) 841-7072	8 M D S	14/12
LOGON BBS	(415) 571-6911	8 M D @ S	16/14
LOGON BBS	(408) 475-0880	8 M D @ S	16/14
R.M.G. BBS	(503) 656-8072	8 H @ % S	17/15
JJ'S FIDO	(505) 522-7081	8 L D ?	17/15
IOWA SINCLAIR BBS	(515) 282-4169	8 M D S	15/13
CITYLINK TOWER	(604) 222-2000	8 H ?	16/14
NICHOLSON NIGHTIME NETWORK	(604) 354-4666	8 H D S	32/27
OWEGO FREE ACADEMY BBS	(607) 754-3420	8 L D S	16/15
TCCS BBS	(607) 785-2118	8 L D S	16/15
THE TIMEWARP BBS	(617) 481-0555	7 L D @ S	16/15
FLEXI BBS	(617) 648-7651	8 L @ S	16/15
FLASH! BBS	(702) 644-6910	8 M D S	16/14
NIGHT BYTE BBS	(718) 627-1293	8 L D % S	15/14
THE BUS DEPOT BBS	(904) 262-6761	8 L D S	16/15

TIMEX BBS DIRECTORY LEGEND

7	PARAMETERS = 7/E/1	8	PARAMETERS = 8/N/1
D	TIMEX FILE TRANSFERS	L	LOW USAGE T/S MSG BASE
M	MEDIUM USAGE T/S MSG BASE	H	HIGH USAGE T/S MSG BASE
$	SUBSCRIPTION REQUIRED	%	OPERATION DURING EVENINGS
@	ACCESSIBLE VIA PC PURSUIT	?	DOWN UNTIL FURTHER NOTICE
S	SUMMER VERIFICATION	F	FALL VERIFICATION
W	WINTER VERIFICATION	P	SPRING VERIFICATION

RATES ARE THE CHARGES FROM CHICAGO FOR THE FIRST MINUTE & EACH
FOLLOWING MINUTE AFTER 11:00 PM AND ON WEEKENDS.

CHICAGO AREA TIMEX USERS GROUP
1885A YORKTOWN AVENUE
GREAT LAKES, ILLINOIS 60088